



A-690.ST25.txt
SEQUENCE LISTING

<110> KOHNO, TADAHIKO

<120> APO-AI/AII PEPTIDE DERIVATIVES

<130> A-690

<140> 09/840,669

<141> 2001-04-23

<150> 60/198,920

<151> 2000-04-21

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 684

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (1)..(684)

<223>

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atg gac aaa act cac aca tgt cca cct tgt cca gct ccg gaa ctc ctg	48
Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu	
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ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc	96
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu	
20 25 30	

atg atc tcc cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc	144
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser	
35 40 45	

cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag	192
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu	
50 55 60	

gtg cat aat gcc aag aca aag ccg cgg gag gag cag tac aac agc acg	240
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr	
65 70 75 80	

tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat	288
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn	
85 90 95	

ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc	336
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro	
100 105 110	

atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag	384
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln	
115 120 125	

gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc	432
Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val	
130 135 140	

agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg	480
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val	

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145		150		155		160										
gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	cct	528
Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	
			165						170					175		
ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	acc	576
Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	
			180						185					190		
gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	gtg	624
Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	
		195					200					205				
atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	ctg	672
Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	
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tct	ccg	ggg	aaa													684
Ser	Pro	Gly	Lys													
225																

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			20					25					30		
Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser
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His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu
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Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr
65					70					75					80
Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn
				85					90					95	
Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro
			100					105					110		
Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln
		115					120					125			
Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val
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Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val
145					150					155					160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
210 215 220

Ser Pro Gly Lys
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<210> 3
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<213> Artificial Sequence

<220>
<223> Preferred linker

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Gly Gly Gly Lys Gly Gly Gly Gly
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<210> 4
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 4

Gly Gly Asn Gly Ser Gly Gly
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<210> 5
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<212> PRT
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<400> 5

Gly Gly Gly Cys Gly Gly Gly Gly
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<212> PRT
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Gly Pro Asn Gly Gly
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<210> 7
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 <212> PRT
 <213> Homo sapiens

<400> 7

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
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Ala Phe

<210> 8
 <211> 18
 <212> PRT
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<220>
 <223> Preferred embodiments

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> Fc domain attached at Position 18 through an optional linker

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Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
 1 5 10 15

Ala Phe

<210> 9
 <211> 18
 <212> PRT
 <213> Artificial Sequence

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 <223> Preferred embodiments

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 <221> misc_feature
 <222> (1)..(1)
 <223> Fc domain attached through optional linker

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Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
 1 5 10 15

Ala Phe

<210> 10
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 <220>
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 <222> (19)..(19)
 <223> Attached by optional linker to identical sequence, which is attached by optional linker to an Fc domain

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Asp	Trp	Leu	Lys	Ala	Phe	Tyr	Asp	Lys	Val	Ala	Glu	Lys	Leu	Lys	Glu
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Ala Phe

<210> 11
 <211> 18
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Preferred embodiments

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 <222> (1)..(1)
 <223> Attached by optional linker to Fc domain at the N-terminus.

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> Attached by optional linker to an identical sequence

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Asp	Trp	Leu	Lys	Ala	Phe	Tyr	Asp	Lys	Val	Ala	Glu	Lys	Leu	Lys	Glu
1				5					10					15	

Ala Phe